

NEW SPECIES OF NEUROLAENA (Asteraceae-Heliantheae)

B. L. Turner  
Department of Botany, University of Texas, Austin 78712

In connection with a forthcoming taxonomic study of the genus Neurolaena, I find it expedient to publish the following new species. The proposed treatment will contain 10 species: a widespread, weedy taxon, N. lobata; 5, fairly local species endemic to southern Mexico; and 4 species endemic to Central America, one of which extends into Chiapas, Mexico.

Neurolaena balsana B. L. Turner, sp. nov. - N. lobata affinis et aliquantum similis sed capitulis majoribus, foliis magis grosse pubescentibus, hispidis, anguste lanceolatis ut videtur integris vel tantum denticulatis, floribus majoribus, achaeniis majoribus copiose glandularibus.

Holotype (GH): MEXICO. Guerrero: "Sierra Madre," 1000 m., 9 Feb. 1899. E. Langlassé 843. Isotype (MICH).

Neurolaena fulva B. L. Turner, sp. nov. - N. lobata affinis et fortiter similis sed foliis lanceolatis minute crenatis vel denticulatis (nunquam grosseserratis lobatisve), ramis capitulescentiae et foliis subtus fulvotomentosis, capitulis brevipedicellatis, capitulescentiis paniculiformibus conferte corymbosis, rotundatis, multiaggregatis, phyllariis fere glabris 1-3-nervatis flavescentibus subchartaceis.

Holotype (DS): MEXICO. Chiapas: Lago of Monte Bello, 5100 ft., 25 mi. E of La Trinitaria, municipio of La Trinitaria. 13 Apr. 1965, D.E. Breedlove 9678. Isotypes (F, MICH).

Neurolaena oaxacana B. L. Turner, sp. nov. - N. cobanensis Greenm. affinis et valde similis sed foliis latioribus saepe 3-lobatis grosseserratis, involucris minoribus conspicuae hemisphaericis, floribus numerosioribus, disci floribus et achaeniis minoribus.

Holotype (ENCB): MEXICO. Oaxaca: "moist deciduous woods with tree ferns" 46.9 m. N of Ixtlán de Juárez on road to Tuxtepec, 1700 m., 15 May 1970, M. Denton 1691. Isotype (MICH, 2 sheets).

Neurolaena venturana B. L. Turner, sp. nov. - N. macrophylla Greenm. affinis et valde similis sed foliis subtus conspicue glandulario-pubescentibus glandulis atomiferis, petiolis prominente alatis; capitulescentis et venis majoribus subtus pilis fuscis crispatis multicellulosis 4-8-septatis, achaeniis glabris.

Holotype (MICH): MEXICO. Veracruz: La Calavera, municipio de Atzalan, "orilla de arroyo," 1100 m., 2 Apr. 1970, F. Ventura A. 801. Isotypes (DS, MEXU).